

## SEQUENCE LISTING

<11> Myriad Genetics, Inc.  
Cimbara, Daniel M.  
Heichman, Karen  
Bartel, Paul L.

<12> Protein-Protein Interactions

<13> 1318-290-II

<150> US 60/259,572

<151> 1001-01-04

<160> 4

<170> PatentIn version 3.0

<210> 1

<211> 40

<212> DNA

<213> Artificial

<220>

<221> oligonucleotide primer

<400> 1

gcagcaaaaca gctatgccca tacagtcaga ggcggccacc

40

<210> 2

<211> 39

<212> DNA

<213> Artificial

<220>

<221> oligonucleotide primer

<400> 1

acggccagtc gcggtggagtg ttatgtcatg cggcgccta

39

<210> 3

<211> 1633

<212> DNA

<213> Homo sapiens

<220>

<221> CDS

<222> (152)..(1633)

<400> 3

gaaagtttcc gttctgcccc gcggtggacc caagagcgcg tgcaccatg gagtctgacc

60

atgtgtgagc agacagccac cgagggccga aattctgagc cttctcttgg aaccaggcag

120

gagacataca gacaagaaaag gcaaaatcac a atg ggc tcc acc aat gca gag

180

Met Ala Ser Thr Asn Ala Glu

1

5

agg cag ctg cag aga atc atc cga gac ttg caa gat gat gtc aca gaa

240

Ser Gln Leu Gln Arg Ile Ile Arg Asp Leu Gln Asp Ala Val Thr Glu

10

15

20

ata agc aaa gaa ttt cag gaa gca ggg gaa ccc att atg gat gac agc

300

Ile Ser Lys Glu Phe Gln Glu Ala Gly Glu Pro Ile Thr Asp Asp Ser

15

20

25

acc agc ttg cat aaa ttt tct tat aaa att gag tat ctc ctg caa ttt	316
Thr Ser Leu His Lys Phe Ser Tyr Lys Leu Gln Tyr Leu Leu Gln Phe	
40 45 50 55	
gat cag aaa gag aag gcc acc ctc ctg ggc aac aag aag gac tac tgg	364
Asp Gln Lys Glu Lys Ala Thr Leu Leu Gly Asn Lys Lys Asp Tyr Trp	
60 65 70	
gat tac ttc tgt gcc tgc ctg gcc aag gtg aaa gga gcc aat gat ggg	412
Asp Tyr Phe Cys Ala Cys Leu Ala Lys Val Lys Gly Ala Asn Asp Gly	
75 80 85	
atc cgc ttt gtc aag tct atc tca gag ctc cga aca tcc ttg ggg aaa	460
Ile Arg Phe Val Lys Ser Ile Ser Glu Leu Arg Thr Ser Leu Gly Lys	
90 95 100	
gga aga gca ttt att cgc tac tcc ttg gtg caa cag agg ttg gca gac	508
Gly Arg Ala Phe Ile Arg Tyr Ser Leu Val His Gln Arg Leu Ala Asp	
105 110 115	
acc tta cag cag tgc ttc atg aac acc aaa gtg acc agt gac tgg tac	556
Thr Leu Gln Gln Cys Phe Met Asn Thr Lys Val Thr Ser Asp Trp Tyr	
120 125 130 135	
tat gca aga agc ccc ttt ctg cag cca aag ctg agc tcc gac att gtg	604
Tyr Ala Arg Ser Pro Phe Leu Gln Pro Lys Leu Ser Ser Asp Ile Val	
140 145 150	
ggc caa ctc tat gag ctg act gag gtt cag ttt gac ctg ggc tcc agg	652
Gly Gln Leu Tyr Glu Leu Thr Glu Val Gln Phe Asp Leu Ala Ser Arg	
155 160 165	
ggc ttt gac ttg gat gct gcc tgg cca aca ttt gcc agg agg acg ctg	700
Gly Phe Asp Leu Asp Ala Ala Trp Pro Thr Phe Ala Arg Arg Thr Leu	
170 175 180	
acc act ggc tct tct gct tac ctg tgg aaa ccc cct agc cgc agc tcc	748
Thr Thr Gly Ser Ser Ala Tyr Leu Trp Lys Pro Pro Ser Arg Ser Ser	
185 190 195	
agc atg agc agc ttg gtg agc agc tac ctg cag act caa gag atg gtg	796
Ser Met Ser Ser Leu Val Ser Ser Tyr Leu Gln Thr Gln Glu Met Val	
200 205 210 215	
tcc aac ttt gac ctg aac agc ccc cta aac aac gag gca ttg gag ggc	844
Ser Asn Phe Asp Leu Asn Ser Pro Leu Asn Asn Glu Ala Leu Glu Gly	
220 225 230	
ttt gat gag atg cga cta gag ctg gac cag ttg gag gtg cgg gag aag	892
Phe Asp Glu Met Arg Leu Glu Leu Asp Gln Leu Glu Val Arg Glu Lys	
235 240 245	
cag cta cgg gag cgc atg cag cag ctg gac aga gag aac cag gag ctg	940
Gln Leu Arg Glu Arg Met Gln Gln Leu Asp Arg Glu Asn Gln Glu Leu	
250 255 260	
agg gca gct gtc agc cag caa ggg gag caa ctg cag aca gag agg gag	988
Arg Ala Ala Val Ser Gln Gln Gly Glu Gln Leu Thr Gln Arg Glu	
265 270 275	
agg ggg cgt act gca ggc gag gar aac gtt cgg ctc act tgc ttg gta	1036
Arg Gly Arg Thr Ala Ala Gln Asp Asn Val Arg Leu Thr Cys Leu Val	
280 285 290	

gtg gag ctg cag aag cag tgg gag gtc att gag ggc att cag aat act 1084  
Ala Glu Leu Gln Lys Gln Trp Glu Val Thr Gln Ala Thr Gln Asn Thr  
399 305 310

gtg aag gag ctg cag aca tgc ctg cag ggc ctg gag cta gga gca gca 1132  
Val Lys Glu Leu Gln Thr Cys Leu Gln Gly Leu Glu Leu Gly Ala Ala  
315 320 325

gag aag gag gag gac tac cac aca gcc ctg cgg cgg ctg gag tcc atg 1180  
Glu Lys Glu Glu Asp Tyr His Thr Ala Leu Arg Arg Leu Glu Ser Met  
330 335 340

ctg cag ccc ttg gca cag gag ctt gag gcc aca cgg gac tca ctg gac 1228  
Leu Gln Pro Leu Ala Gln Glu Leu Glu Ala Thr Arg Asp Ser Leu Asp  
345 350 355

aag aaa aac cag cat tta gcc agc ttc cca ggt tgg cta gcc atg gct 1276  
Lys Lys Asn Gln His Leu Ala Ser Phe Pro Gly Trp Leu Ala Met Ala  
360 365 370 375

cag cag aag gca gat acg gca tca gac aca aag ggc cgg caa gaa cct 1324  
Gln Gln Lys Ala Asp Thr Ala Ser Asp Thr Lys Gly Arg Gln Glu Pro  
380 385 390

att ccc agt gat ggc gcc cag gag atg cag gag cta ggg gag aag ctt 1372  
Ile Pro Ser Asp Ala Ala Gln Glu Met Gln Glu Leu Gly Glu Lys Leu  
395 400 405

caa gcc cta gaa agg gag aga acc aag gtc gag gag gtc aac aga cag 1420  
Gln Ala Leu Glu Arg Glu Arg Thr Lys Val Glu Glu Val Asn Arg Gln  
410 415 420

cag agt gcc caa ctg gaa cag ctg gtc aag gag ctt cag ctg aaa gag 1468  
Gln Ser Ala Gln Leu Glu Gln Leu Val Lys Glu Leu Gln Leu Lys Glu  
425 430 435

gat gcc cgg gcc agc ctg gag cgc ctg gtg aag gag atg gcc cca ctc 1516  
Asp Ala Arg Ala Ser Leu Glu Arg Leu Val Lys Glu Met Ala Pro Leu  
440 445 450 455

cag gag gag ttg tct ggg aag gga cag gag gca gac cag ctc tgg cga 1564  
Gln Glu Glu Leu Ser Gly Lys Gly Gln Glu Ala Asp Gln Leu Trp Arg  
460 465 470

ggg ctg cag gag ttg ctg gcc cac acg agc tcc tgg gag gag gag cta 1612  
Arg Leu Gln Glu Leu Leu Ala His Thr Ser Ser Trp Glu Glu Glu Leu  
475 480 485

gca gag ttg agg cgg gag aaa 1633  
Ala Glu Leu Arg Arg Glu Lys  
490

<210> 4  
<211> 494  
<212> PRT  
<213> Homo sapiens

<400> 4  
Met Ala Ser Thr Asn Ala Glu Ser Gln Leu Gln Arg Ile Ile Arg Asp  
1 5 10 15  
Leu Gln Asp Ala Val Thr Glu Leu Ser Lys Glu Phe Gln Glu Ala Gly  
20 25 30 35 40

Glu Pro Ile Thr Asp Asp Ser Thr Ser Leu His Lys Ile Ser Tyr Lys  
 35 40 45  
 Leu Glu Tyr Leu Leu Gln Phe Asp Gln Lys Gln Lys Ala Thr Leu Leu  
 50 55 60  
 Gly Asn Lys Lys Asp Tyr Trp Asp Tyr Phe Cys Ala Cys Leu Ala Lys  
 65 70 75 80  
 Val Lys Gly Ala Asn Asp Gly Ile Arg Phe Val Lys Ser Ile Ser Glu  
 85 90 95  
 Leu Arg Thr Ser Leu Gly Lys Gly Arg Ala Phe Ile Arg Tyr Ser Leu  
 100 105 110  
 Val His Gln Arg Leu Ala Asp Thr Leu Gln Gln Cys Phe Met Asn Thr  
 115 120 125  
 Lys Val Thr Ser Asp Trp Tyr Ala Arg Ser Pro Phe Leu Gln Pro  
 130 135 140  
 Lys Leu Ser Ser Asp Ile Val Gly Gln Leu Tyr Glu Leu Thr Glu Val  
 145 150 155 160  
 Gln Phe Asp Leu Ala Ser Arg Gly Phe Asp Leu Asp Ala Ala Trp Pro  
 165 170 175  
 Thr Phe Ala Arg Arg Thr Leu Thr Thr Gly Ser Ser Ala Tyr Leu Trp  
 180 185 190  
 Lys Pro Pro Ser Arg Ser Ser Ser Met Ser Ser Leu Val Ser Ser Tyr  
 195 200 205  
 Leu Gln Thr Gln Glu Met Val Ser Asn Phe Asp Leu Asn Ser Pro Leu  
 210 215 220  
 Asn Asn Glu Ala Leu Glu Gly Phe Asp Glu Met Arg Leu Glu Leu Asp  
 225 230 235 240  
 Gln Leu Glu Val Arg Glu Lys Gln Leu Arg Glu Arg Met Gln Gln Leu  
 245 250 255  
 Asp Arg Glu Asn Gln Glu Leu Arg Ala Ala Val Ser Gln Gln Gly Glu  
 260 265 270  
 Gln Leu Gln Thr Glu Arg Glu Arg Gly Arg Thr Ala Ala Glu Asp Asn  
 275 280 285  
 Val Arg Leu Thr Cys Leu Val Ala Glu Leu Gln Lys Gln Trp Glu Val  
 290 295 300  
 Thr Gln Ala Thr Gln Asn Thr Val Lys Glu Leu Gln Thr Cys Leu Gln  
 305 310 315 320  
 Gly Leu Glu Leu Gly Ala Ala Glu Lys Glu Glu Asp Tyr His Thr Ala  
 325 330 335  
 Leu Arg Arg Leu Glu Ser Met Leu Gln Pro Leu Ala Gln Glu Leu Glu  
 340 345 350  
 Ala Thr Arg Asp Ser Leu Asp Lys Lys Asn Gln His Leu Ala Ser Phe  
 355 360 365

Pro Gly Trp Leu Ala Met Ala Gln Gln Lys Ala Asp Thr Ala Ser Asp  
 370 375 380

Thr Lys Gly Arg Gln Glu Pro Ile Pro Ser Asp Ala Ala Gln Glu Met  
 385 390 395 400

Gln Glu Leu Gly Glu Lys Leu Gln Ala Leu Glu Arg Glu Arg Thr Lys  
 405 410 415

Val Glu Glu Val Asn Arg Gln Gln Ser Ala Gln Leu Glu Gln Leu Val  
 420 425 430

Lys Glu Leu Gln Leu Lys Glu Asp Ala Arg Ala Ser Leu Glu Arg Leu  
 435 440 445

Val Lys Glu Met Ala Pro Leu Gln Glu Glu Leu Ser Gly Lys Gly Gln  
 450 455 460

Glu Ala Asp Gln Leu Trp Arg Arg Leu Gln Glu Leu Leu Ala His Thr  
 465 470 475 480

Ser Ser Trp Glu Glu Glu Leu Ala Glu Leu Arg Arg Glu Lys  
 485 490